

CLAIMS

What is claimed is:

- 5 1. An information system, comprising:
a set of access subsystems each for use in
accessing a persistent store in the information
system in response to a client request;
transaction director that directs the client
10 request to the access subsystems in response to a set
of client-side information associated with the client
request.
2. The information system of claim 1, wherein the
15 client-side information includes a set of information
pertaining to a client that generated the client
request.
3. The information system of claim 1, wherein the
20 client-side information includes a set of information
pertaining to a user that caused the client request.
4. The information system of claim 1, wherein the
client-side information includes information
25 pertaining to a history of prior interactions with
the information system.
5. The information system of claim 1, wherein the
client-side information includes a potential
30 frequency of client requests from a client that
generated the client request.
6. The information system of claim 1, wherein the

client-side information includes a priority of a set of data targeted by the client request.

7. The information system of claim 1, wherein the
5 client-side information includes a hint on where a set of data targeted by the client request may be stored.

8. The information system of claim 1, wherein the
10 client-side information includes a cost indication with the client request.

9. The information system of claim 1, wherein the
15 client-side information includes a computational intensity associated with the client request.

10. The information system of claim 1, wherein the
client-side information includes a set of samples from sensors in an environment of a client that
20 originated the client request.

11. The information system of claim 1, wherein the
client-side information includes an indication of hardware capabilities of a client that originated the
25 client request.

12. The information system of claim 1, wherein the
client-side information includes an indication of a type of application that generated the client
30 request.

13. The information system of claim 1, wherein the
client-side information includes an indication of a

location of a client that originated the client request.

14. The information system of claim 1, wherein the
5 client-side information includes a cookie that is
stored in a client that originated the client
request.

15. The information system of claim 1, wherein the
10 transaction director assigns the client request to
the access subsystems in response to the client-side
information and a rank associated with each access
subsystem.

16. A method for directing a client request in an
15 information system by assigning the client request to
an access subsystem in the information system in
response to a set of client-side information
associated with the client request.

20

17. The method of claim 16, wherein the client-side
information includes a set of information pertaining
to a client that generated the client request.

18. The method of claim 16, wherein the client-side
25 information includes a set of information pertaining
to a user that caused the client request.

19. The method of claim 16, wherein the client-side
30 information includes information pertaining to a
history of prior interactions with the information
system.

20. The method of claim 16, wherein the client-side information includes a potential frequency of client requests from a client that generated the client request.

5

21. The method of claim 16, wherein the client-side information includes a priority of a set of data targeted by the client request.

10 22. The method of claim 16, wherein the client-side information includes a hint on where a set of data targeted by the client request may be stored.

15 23. The method of claim 16, wherein the client-side information includes a cost indication with the client request.

20 24. The method of claim 16, wherein the client-side information includes a computational intensity associated with the client request.

25 25. The method of claim 16, wherein the client-side information includes a set of samples from sensors in an environment of a client that originated the client request.

30 26. The method of claim 16, wherein the client-side information includes an indication of hardware capabilities of a client that originated the client request.

27. The method of claim 16, wherein the client-side information includes an indication of a type of

application that generated the client request.

28. The method of claim 16, wherein the client-side
information includes an indication of a location of a
5 client that originated the client request.

29. The method of claim 16, wherein the client-side
information includes a cookie that is stored in a
client that originated the client request.

10

30. The method of claim 16, wherein the step of
assigning includes the step of assigning the client
request to the access subsystems in response to the
client-side information and a rank associated with
15 each access subsystem.